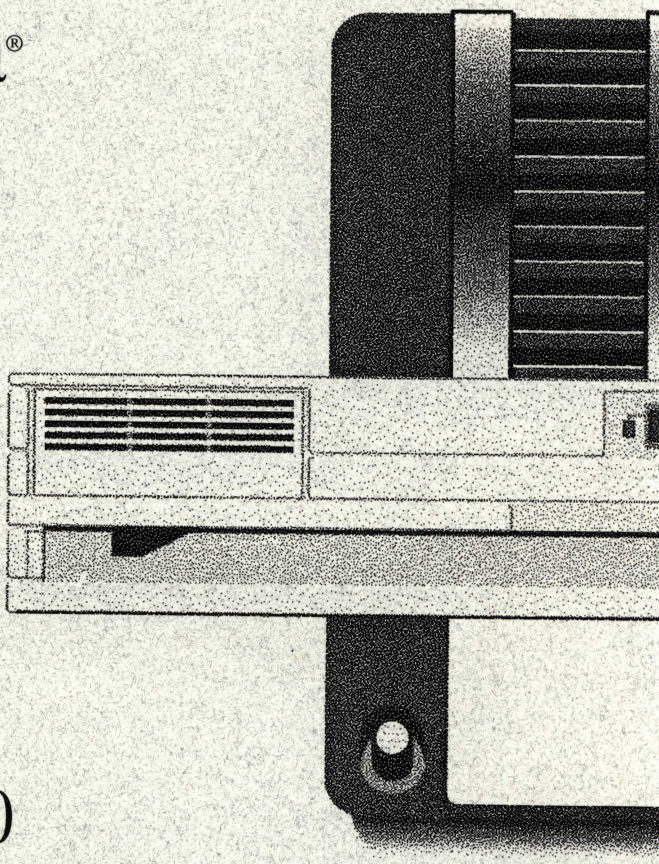
Bernoulli®
by Iomega®



Insider 150
Installation Guide and User's Reference

This guide describes how to install and use the Insider 150 model of the Bernoulli drive. Read the entire guide before installing your Insider 150.

System Requirements

- An empty 5¼ inch drive bay.
- A SCSI compatible connection. For some computer systems, you may need a SCSI host adapter.
- Sufficient system power to run the drive.

Check Your Equipment

CAUTION *Before handling the Bernoulli drive, discharge any built up static electricity by touching a grounded metal object. Circuit boards and integrated circuits can be damaged by electrostatic discharge.* ■

As you unpack your Bernoulli drive, check each item in the box. If anything is missing or damaged, contact your authorized Iomega dealer or Iomega Customer Service.

Mounting Rails

If your computer drive bay requires mounting rails, your computer dealer can help you find the correct rails. You can also order rails and other accessories directly from Iomega Customer Service.

■ ***Critical Screw Length*** *Be careful to prevent any mounting screws from penetrating too far into the drive. After attaching any mounting hardware to the drive, the mounting screws should be tight after at least two but not more than four full turns.* ■

Installing the Hardware

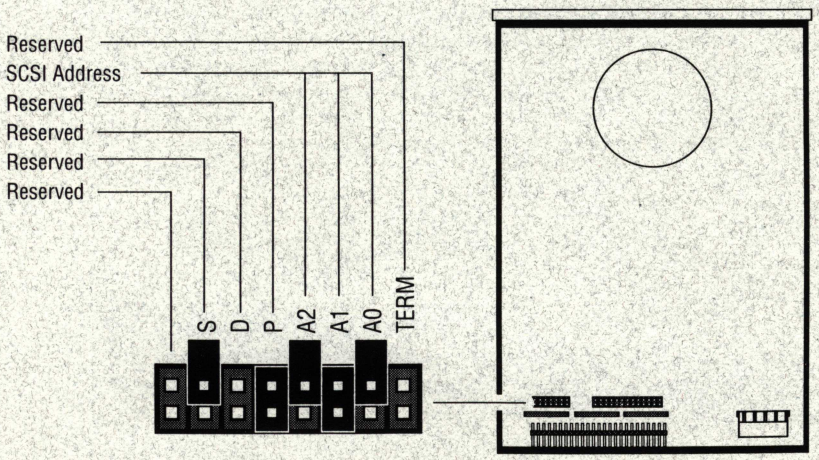
WARNING *Always turn off your computer and disconnect electrical power at the power source before beginning any computer system hardware change.* ■

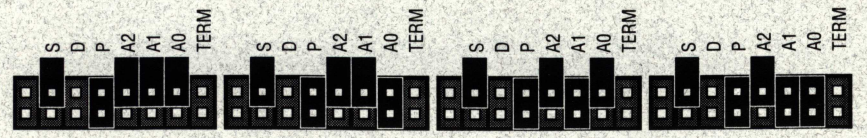
■ ***Workstation Users Only*** *Information on setting the workstation mode select switch is contained in the Iomega User's Guide shipped with your workstation interface kit.* ■

For information about installing your Bernoulli drive in a workstation expansion box, refer to your expansion box documentation for installing half-height drives.

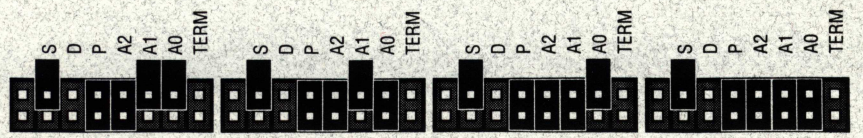
1 Check the SCSI ID setting on your Bernoulli drive.

The factory SCSI ID setting should work in most instances. If you have more than one SCSI device connected to your SCSI connector make sure each device has a unique SCSI ID.





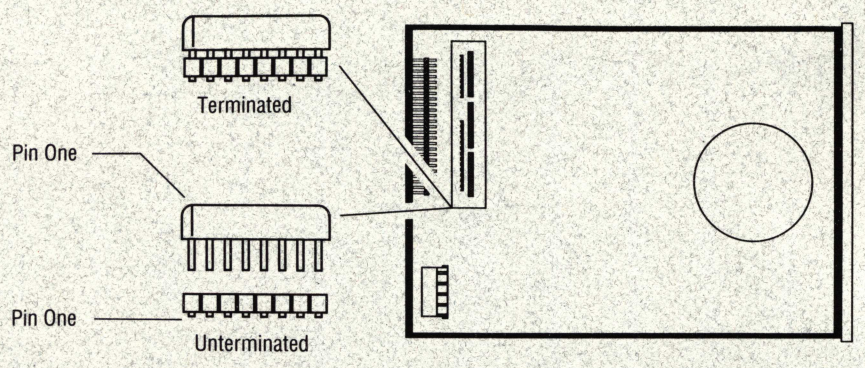
SCSI Address 0 | SCSI Address 1 | SCSI Address 2 (factory setting) | SCSI Address 3



SCSI Address 4 | SCSI Address 5 | SCSI Address 6 | SCSI Address 7 *

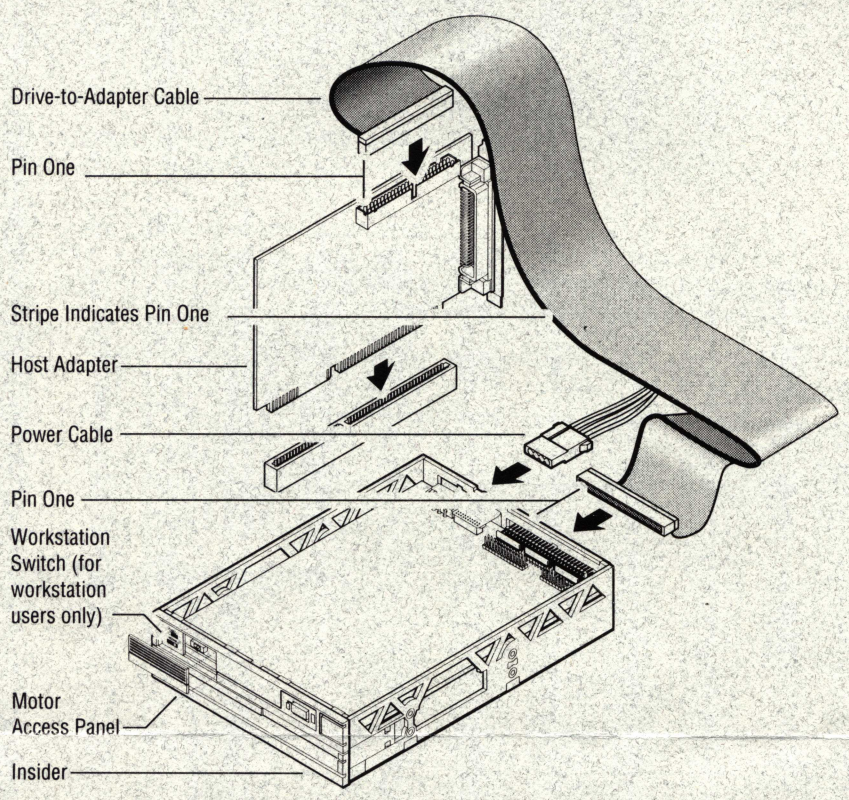
2 Check SCSI termination.

If the Bernoulli drive is the only device in the SCSI chain, go to Step 3. If you have more than one SCSI device in the SCSI chain, make sure the chain is correctly terminated. Correct termination means that the chain is terminated at each end without any other active terminators in the chain. If your Bernoulli drive is not at the end of the SCSI chain, remove the drive termination.



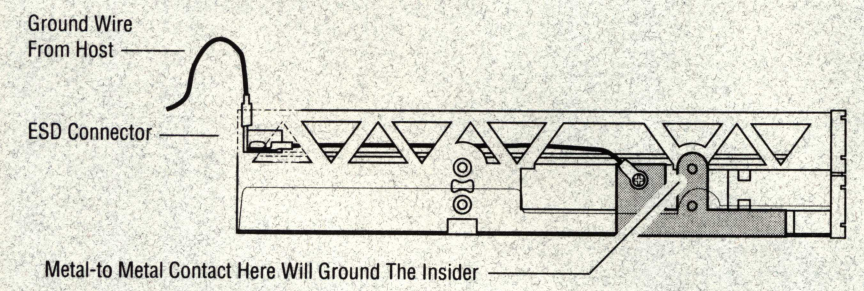
3 Mount the Bernoulli drive in your computer.

Attach the drive-to-adapter cable as shown. Make sure to align Pin 1 on the host adapter with Pin 1 on the cable connector. Some Bernoulli drives come with a three connector cable. The additional connector may be used to chain another drive to the host adapter.



Remove the front panel from your computer's 5¼ inch drive bay. Carefully slide the Bernoulli drive into the drive bay and secure in place with the mounting screws. Make sure the drive is mounted firmly but do not over-torque the screws. The screws should be tight after at least two but not more than four full turns.

■ ***Bernoulli Drive Grounding*** *The Bernoulli drive is normally grounded through the metal-to-metal drive mounts. If your drive has no metal-to-metal contact with the drive bay, the foil ground path must be connected to the host chassis through the ESD connector. A ground wire from the host computer can be connected to the ESD connector as illustrated below.* ■



CAUTION *Make sure the Bernoulli drive is grounded; otherwise, damage to the drive may result.* ■

4 Check the installation and close the computer.

Check that all cable connections are secure and correct. Route cables to maintain maximum air flow within the computer and replace the computer cover. Restore power to the computer system.

5 Install the software device driver.

You must install and load an appropriate software device driver before you can operate your Bernoulli drive. If you are installing the Bernoulli drive and an Iomega host adapter in an IBM PC or compatible computer, refer to the installation instructions for the OAD™ (Open Architecture Driver) software that came with your host adapter. If you are installing the Bernoulli drive in an Amiga or other workstation refer to your system owners' manuals for information on configuring your system for an additional SCSI device.

6 Prepare your Bernoulli disks.

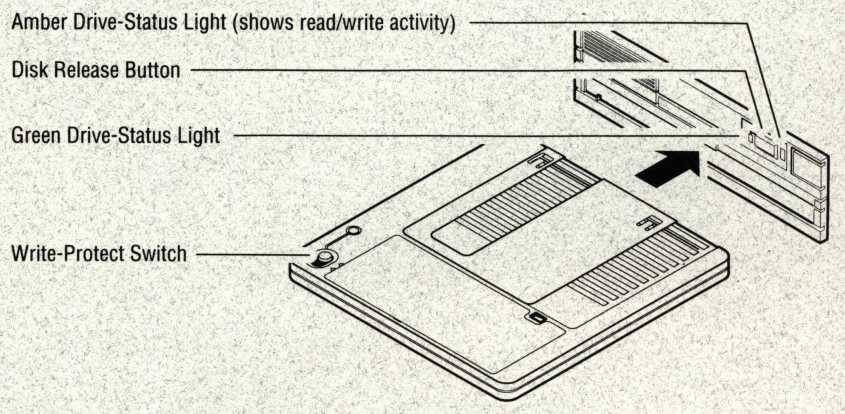
After installing the appropriate software device driver, you can begin using your Bernoulli drive to prepare any disks you may need for use. Refer to your software users manual for information on preparing disks for use.

WARNING *Do not bulk-erase Bernoulli disks; bulk-erasing destroys the control tracks and voids the warranty on Bernoulli disks. Use the Iomega Format utility to erase data.* ■

Operating the Bernoulli Drive

CAUTION *The computer system must be powered on for normal disk insertion and removal in the Bernoulli drive. If the power fails while a disk is in the drive, do not attempt to remove the disk. If you must remove a disk while the drive is without power, contact Iomega Customer Service. Never force a Bernoulli disk into or out of a drive.* ■

Insert a Bernoulli disk into the drive as illustrated. The disk will extend from the drive about one inch when it is fully inserted. The green drive-status light flashes as the disk spins up. When the drive reaches ready status, the drive-status light glows steadily .



To remove a disk, use the disk release button. The green drive-status light flashes while the disk spins down. When the drive releases the disk, you will hear a slight click and the drive-status light will quit flashing; you can then easily withdraw the disk from the drive. Pull evenly and gently as the disk slides out of the drive.

■ ***Disk Compatibility*** *Bernoulli MultiDisk 150 drives support 150MB, 105MB, 65MB, and 35MB disks with full function and performance. They also read and write 90MB Bernoulli disks and read 44MB Bernoulli disks. (The drive will not be as fast when writing to a 90MB disk.)* ■

Maintaining the Read/Write Heads

The automatic head cleaning system on this Bernoulli drive will maintain the read/write heads when the drive is used in a normal office environment. If your Bernoulli drive is operated continuously or in an unusually dusty or smoky environment, clean the read/write heads as needed to ensure optimum read/write performance. You can order an Iomega head cleaning kit from your authorized Iomega dealer or from Iomega Customer Service.

Temperature

Operating temperature for the Bernoulli drive is 10° to 30° C or 50° to 86° F. If the drive or disk has been stored at a temperature outside these limits, allow several hours for temperature adjustment before using the drive.

CAUTION *Never operate the Bernoulli drive when condensation is evident in or around the drive or disk. Operating the drive under such conditions could cause damage to the read/write heads in the drive or to the disk.* ■

Solving Problems

The following suggestions will eliminate most problems that may occur during installation of this Bernoulli drive.

- **Check that the computer is receiving power.**
  Make sure your power strip is fully plugged in and turned on.
- **Check all power and interface cable connections.**
  Verify correct positioning. Look for stripes, keys, or markings on the cables or connectors that show correct positioning. If you are using an interface cable that is not keyed, make sure the pin one orientation is correct. Make sure all connections are straight and secure.

  CAUTION *Electrical power should be turned off before connecting or disconnecting any cables; otherwise, computer equipment could be damaged.* ■
- **Check the SCSI ID and termination.**
  Make sure that all devices in the SCSI chain have a unique SCSI ID and that the SCSI chain is properly terminated at each end.
- **Check the software installation.**
  Make sure the correct device driver software is installed and loaded on your computer system. The computer might need to be rebooted after installation to load the software.
- **Check the drive grounding.**
  Refer to the technical note in installation step 3 for information.

Iomega Warranty Information

This Iomega Bernoulli drive has a one year limited warranty, and the Iomega Gold Standard Bernoulli disk has a five year limited warranty, both beginning from the date of purchase. For more complete warranty information, refer to the detailed warranty statement shipped with this product. If you did not receive the warranty statement, call Iomega Customer Service.

Contacting Iomega

Customer assistance is available worldwide during normal business hours. Please have the following information ready when contacting Iomega Customer Service: (1) Drive model number/serial number, (2) Computer make/configuration, (3) Adapter card make/configuration, (4) Software version numbers of your driver and utility software. If possible, try to be seated near your computer when calling. Toll-free numbers are listed below. If you are unable to access a toll-free number, call one of the corporate numbers.

Mailing Addresses and Corporate Phone Numbers

Iomega Corporation
1821 West Iomega Way
Roy, Utah 84067-9977
USA
(801) 778-3000

Iomega Europe GmbH
Bötzinger Strasse 48
79111 Freiburg
Germany
49 (0) 761-45040

Toll Free Support Numbers

USA (800)456-5522	D 0130-824544	GB 0800-898563	E 900-994910
CAN (800)456-5522	I 1678-78360	CH -D 155-4297	N 050-11125
B 078-112117	NL 06-0222967	CH -F 155-4296	DK 8001-0889
F 05-904057	S 020-795512	A 0660-8911	SF 9800-14930

Other Information Channels

FAX (USA)	(801) 778-3460 (24 hours)
FAX (Europe)	49 (0) 761-4504414 (24 hours)
Iomega Bulletin Board (USA)	(801) 392-9819 (24 hours)
Iomega Bulletin Board (Europe)	49 (0) 761-4504444 (24 hours)
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